

Work Order ID 60293

July 1, 2010 11:53:49 AM



Page 1

Item ID: D3183-044

Accept



Setup Start



Revision ID:

Stop



Item Name: Bracket Assembly

Start Date: 02/07/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 29/07/2010 Req'd Qty: 4.00

Customer:

Reference:

Ref 10-07-01

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3183

Rev C1

100

0.00



BAND SAW

Bandsaw

Memo

0.00

B.A 10/07/22

4

0

Jeaspa Bandsaw

Cut blanks: (1.500" x 2.250") 5.500" long

110

0.00



HAAS CNC VERTICAL MACHINING #1

HAAS 1

Memo

0.00

B.A 10/07/22

4

0

HAAS CNC vertical machine #1

1-Machine D3183-4 as per Folio FA322 and Dwg D3183 Identify as D3183-4
Deburr 3-Scribe batch number

ATO

120

0.00



QC2- Inspect parts off machine FAI/FAIB

QC

Memo

0.00

B.A 10/07/22

4

0

Quality Control

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D3183-044 PAR #: _____ Fault Category: machining NCR: Yes No DQA: Yes Date: 10-08-05
 Resolution: Accepted Disposition: use as is QA: N/C Closed: Yes Date: 10/08/06

NCR: <u>60293</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
10.07.23	110	DIAM OF BEARING ATTACHMENT IS $\phi 0.3912$ FOR (1). DM6 = $\phi 0.392$ $+0.002$ -0.000 R.L. operator error/LOA.	UP 10.07.23 DS 042	Acceptable. BEARING IS SECURED WITH SCREW, NOT PRESS FIT	H.A 10/07/23	ms 10/07/23	UP 10.07.23 DS 042	S 10/07/23

NOTE: Date & initial all entries

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Item ID: D3183-044

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Setup

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Item Name: Bracket Assembly

Start Date: 02/07/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 29/07/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start



Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC8- Inspect parts - second check

0.00

muj
10/07/23

4

0



QC

Memo

0.00

Quality Control

140

Small Fab

0.00



Small Fab

Memo

0.00

Small Fab

Assemble D3183-043 as per Dwg D3183.

E/B 10/07/27 (4)

150

QC5- Inspect part completeness to step on W/O

0.00

S 10/07/27



QC

Memo

0.00

Quality Control

(XU)

Work Order ID 60293

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Page 3

Item ID: D3183-044
Revision ID:
Item Name: Bracket Assembly

Accept



Setup

Start



Stop



Start Date: 02/07/2010 Start Qty: 4.00



Required Date: 29/07/2010 Req'd Qty: 4.00



Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run

Start



Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

Identify as per dwg & Stock Location: 23p

0.00



Packaging

Memo

0.00

Packaging

10/7/27

5

170

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/07/28

10-7-27
(4)

Picklist Print

July 1, 2010 11:53:48 AM

Page 1

ID: 60293

Item: D3183-044

Parent Item Name: Bracket Assembly

Start Date: 02/07/2010

Required Date: 29/07/2010

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP Rev: Pick: A ☐ 04.02.18 ☐ New issue ☐ KJ/DS ☐

IPP Rev: B Changed Mat Size 08-06-26 JLM Verified By: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3121-21 Bolt		Manufactured	No			140	Each	31.0000	2	8			
<div> <div>Location</div> <div>ST235</div> <div>57376</div> <div>59044</div> </div> <div> <div>Loc Qty</div> <div>31</div> <div>1</div> <div>30</div> </div> <div> <div>Loc Code</div> </div>													
D3183-045 Bearing Assembly		Manufactured	No			100	Each	13.0000	2	8			
<div> <div>Location</div> <div>ST236</div> <div>60152</div> </div> <div> <div>Loc Qty</div> <div>13</div> <div>13</div> </div> <div> <div>Loc Code</div> </div>													
M174B1.500X02.250 17-4 SS Bar 1.50 X2.250		Purchased	No			140	f	24.5000	0.4583	1.929684			
<div> <div>Location</div> <div>MAT031</div> <div>108309</div> <div>113568 ✓</div> </div> <div> <div>Loc Qty</div> <div>24.5</div> <div>1</div> <div>23.5</div> </div> <div> <div>Loc Code</div> </div>													
											1.929684		
											M.A 10/07/22		

DART AEROSPACE LTD		Work Order: 60293
Description: Bracket		Part Number: D3183-4
Inspection Dwg: D3183	Rev: C1	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

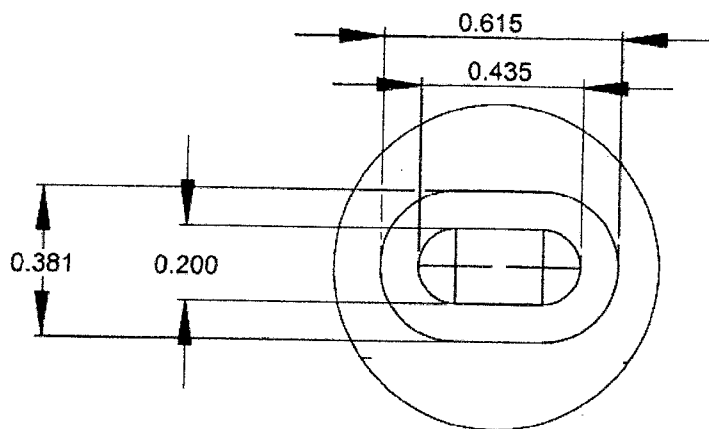
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
R0.190	+/-0.030	R0.188	✓			
R0.063	+/-0.010	R0.063	✓			
0.188 0.182	+/-0.010	0.187	✓			
0.070	+/-0.010	0.067	✓			
0.100	+/-0.010	0.100	✓			
Ø0.201 x 0.100	+/-0.010	Ø0.201 x 0.102	✓			
0.183 0.182	+/-0.010	0.186	✓			
5.32	+/-0.030	5.322	✓			
5.036	+/-0.010	5.036	✓			
2.120	+/-0.010	2.120	✓			
1.290	+/-0.010	1.290	✓			
0.365	+/-0.010	0.365	✓			
0.218	+/-0.010	0.214	✓			
1.030	+/-0.010	1.030	✓			
1.90	+/-0.030	1.890	✓			
1.012	+/-0.010	1.009	✓			
Ø0.201 x 0.100	+/-0.010	Ø0.201 x 0.102	✓			
0.786	+/-0.010	0.777	✓			
Ø0.392	+0.002/-0.000	Ø0.3912	✓			OK of 10-07-23
R0.19	+/-0.030	R0.188	✓			
3.954	+/-0.010	3.956	✓			
0.162	+/-0.010	0.162	✓			
R0.19	+/-0.030	R0.190	✓			
R0.25	+/-0.030	R0.250	✓			
4.26	+/-0.030	4.263	✓			
2.800	+/-0.030	2.795	✓			
Calculated dimension						
0.162	+/-0.010	0.163	✓			
0.615	+/-0.010	0.614	✓			
0.435	+/-0.010	0.433	✓			
0.200	+/-0.010	0.201	✓			
0.381	+/-0.010	0.384	✓			
0.032	+/-0.010	0.030	✓			

Measured by: M.A	Audited by: MMS	Prototype Approval:	N/A
Date: 10/07/22	Date: 10/07/23	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	03.11.12	New Issue P/O D3183-044	KJ/RF	
B	04.03.15	Changes as per revision C	KJ/JLM/RF	
C	04.06.15	Dimension 2.800 was 2.080; removed 1.155, 0.36 dimensions	KJ/JLM	
D	06.03.09	Dwg Rev update	KJ/JLM	
E	08.01.16	Dimensions revised	KJ/EC/DD	

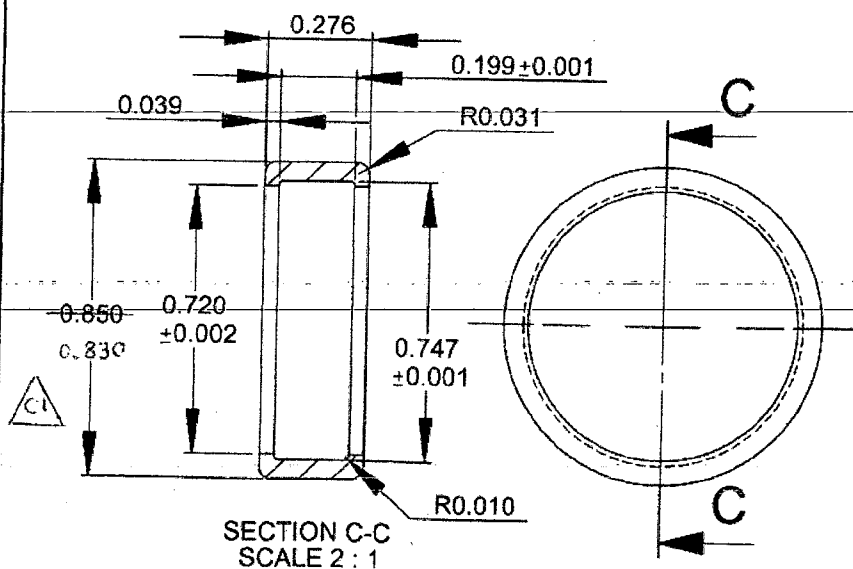
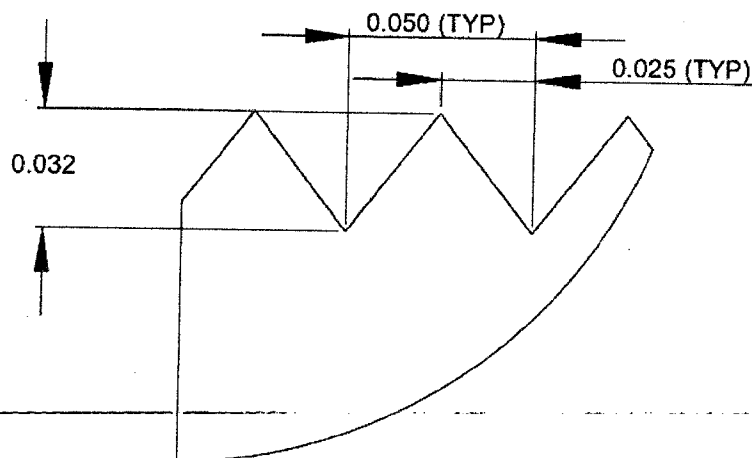


DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3183	REV. C
DATE 04.02.17		TITLE BRACKET ASSEMBLY	SHEET 4 OF 4 SCALE 1:1



w/o 60293

RELEASED
04.03.01



D3183-9 CAP

- 1) MATERIAL: DELRIN ROD, Ø1.00
(REF DART SPEC. M-DELRIN-R1.00)
- 2) TOLERANCES ARE PER DART QSI 018
UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES

D3183-045 BEARING ASSEMBLY

- 1) ASSEMBLE D3183-5 BEARING AND
D3183-9 CAP

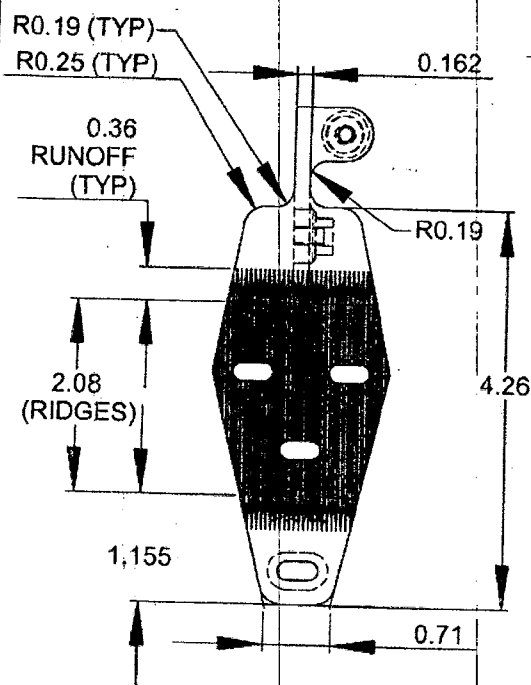
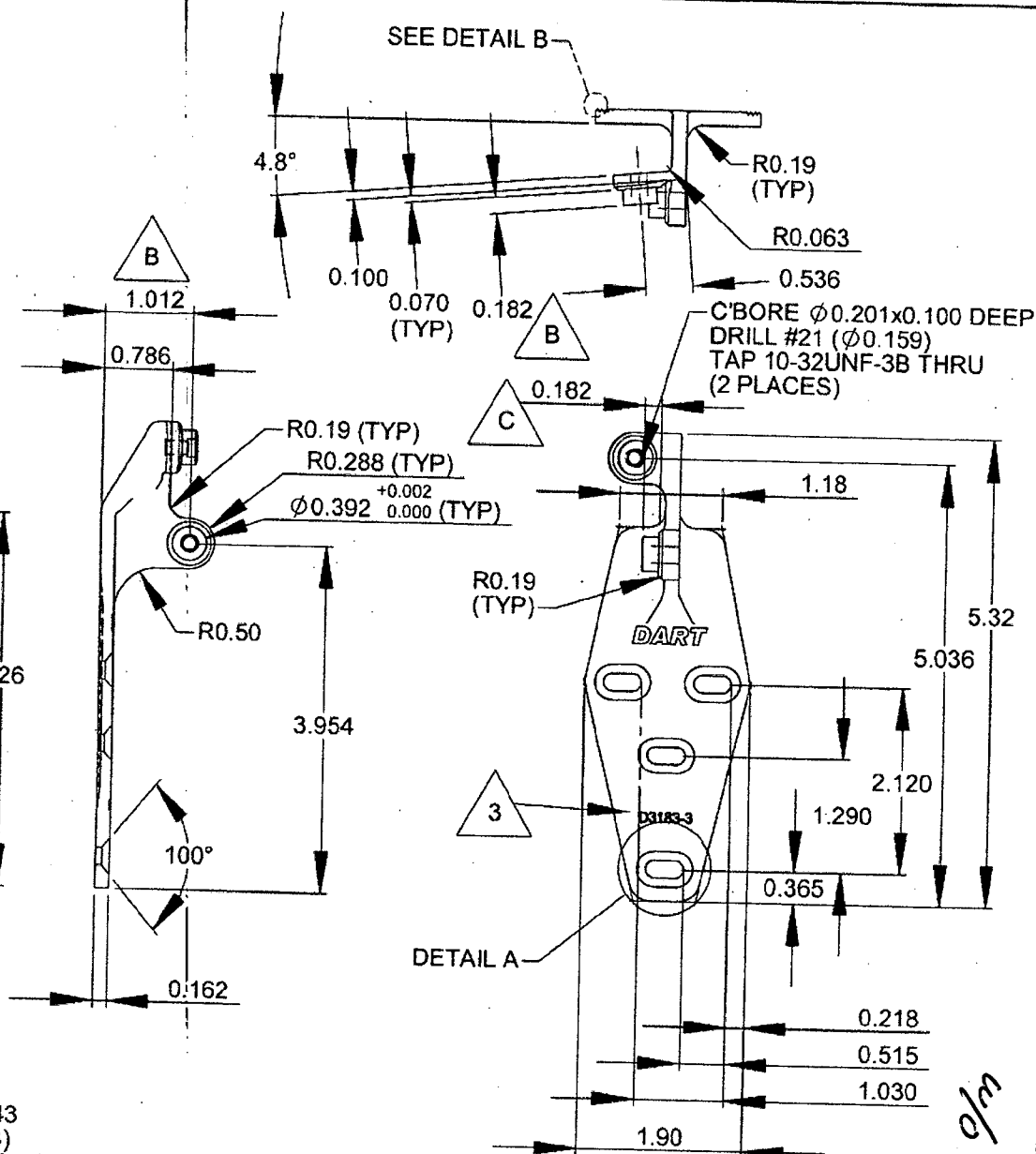
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DART



DESIGN	DRAWN BY	DART AEROSPACE LTD
CHECKED	APPROVED	HAWKESBURY, ONTARIO, CANADA
DATE	TITLE	REV. C
04.02.17	BRACKET ASSEMBLY	SHEET 3 OF 4
		SCALE 1:2



D3183-3 BRACKET SHOWN
(REPLACES BELL P/N 412-030-304-105)
D3183-4 BRACKET OPPOSITE
(REPLACES BELL P/N 412-030-304-106)

- 1) MATERIAL: 17-4 SS PER AMS 5604/5643
(REF DART SPEC. M17-4-B)
MIN ULTIMATE STRENGTH = 150 ksi
MIN YIELD STRENGTH = 100 ksi
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 3) ENGRAVE DART P/N & LOGO AS SHOWN
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

u/o 60293

RELEASED
04-03-01

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